

In the Claims

Kindly amend the claims to read as follows:

1. (currently amended) An control circuit for a lift system having a lift cage movable in a lift shaft by a drive unit, a control for controlling the drive unit, a data bus connected with the control, shaft doors for closing the lift shaft, locking devices for locking the shaft doors at a shaft side and lock sensors for monitoring the setting of the locking devices, wherein the lock sensors are connected with the control by way of the data bus, the improved control circuit comprising means for repeatedly interrogating a lock sensor at short time intervals by way of the data bus whereby communications interruptions or transmission errors in data bus transmissions are detected, and for periodically testing the function of the locking sensors of all elevator shaft doors by

a) observing the signals lock sensors produce during opening/closing of the shaft doors in normal elevator operation and

b) automatically initiating a test travel of the lift cage independent of normal operation of the lift cage to a story whose shaft doors have not been operated within a defined period of time, opening and closing the shaft doors, and observing the signals produced by the lock sensor associated with the shaft doors.

2. (original) The control circuit according to claim 1, characterized in that the locking device is self-shutting when the corresponding shaft door is closed.

3. (original) The control circuit according to claim 1 or 2, characterized in that the locking devices for locking the shaft doors are of a construction whereby they can be unlocked, opened or closed only by a cage door provided at the lift cage and can be unlocked by a special tool and slid open by hand.

4. (original) The control circuit according to claim 1 or 2, wherein the locking sensor includes means for monitoring the state of the associated locking device and shaft doors.

5. (original) The control circuit according to claim 1 or 2 wherein the locking sensor is chosen from a group consisting of a locking device contact, a microswitch, an inductive sensor, a capacitive sensor and an optical sensor.

6. (original) The control circuit according claim 1 or 2, characterized in that the control includes means for evaluating interrogation of the locking sensors in order to be able to trigger one or more of: recognition and localization of a fault; triggering of a service call; or, if an open shaft door was recognized, stopping lift cage or carrying out a situation-adapted reaction.

7. (original) The control system according to claim 1 or 2, characterized in that the control includes means for evaluating the interrogation of the locking sensors in order to correct ascertained transmission errors by evaluation of several data packets.

8. (previously presented) The control system according to claim 7, further including means for monitoring a cage door by performing a coincidence check of the signals of a shaft door and the a cage door, to evaluate the functional capability of at least one of the shaft door and the locking sensor of the shaft door.

9. (original) The control system according to claim 8, characterized in that the monitoring of the cage door is carried out by a safety bus in order to increase safety.

10. (original) The control system according to claim 1, further including in addition to the locking sensors further means for detecting a state of the shaft doors and for transmitting information about the state of the shaft door by way at least one of the data bus or a safety bus to the control.

11. (new) The control system of claim 1 or 2 wherein the defined period of time is between 8 and 24 hours.